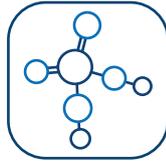


GAZPROMNEFT OCEAN TPL 1230/1240



Trunk Piston
Engine Oils



Superior Detergency
Excellent Thermal
and Oxidative Stability



Base
Number (BN)

GAZPROMNEFT OCEAN TPL 1230/1240 series high quality diesel engine oils with moderate alkalinity level for medium and high-speed trunk piston diesel engines. GAZPROMNEFT OCEAN TPL 1230/1240 series blended from high quality base oils and specially selected additives that protect oil against oxidation and provide effective detergent and dispersion properties. The oil well regulate it's viscosity and capable to maintain alkalinity level, protect engine against corrosive wear during long-term operation. It also shows excellent water separation and anti-foaming properties. GAZPROMNEFT OCEAN TPL 1230/1240 series meet the requirements of API CF classification and major manufacturers of marine four stroke engines.

Advantages

1. Wear protection

Alkalinity level effectively protects the cylinder liners against corrosion. High quality anti-wear additives provide reliable protection against wearing of camshafts and bearings.

2. Detergent/Dispersant properties

Maintains engine crankcase and piston rings cleanliness and also prevent deposit formation in engine. Increases oil filters cleaning intervals. Effectively prevents contamination by insoluble particles.

3. Oxidation stability

Anti-oxidation additives protect oil against thermal stresses, engine parts from corrosion and reduce undercrown deposits. Remains lubricating properties for extended life.

4. Rust prevention

Prevents corrosion of engine parts, when the engine is not in operation. Effectively protects stern tubes from corrosion.

5. Balanced additive combination

Provides minimum maintenance, increases engine life and reduce operational costs.

Application

GAZPROMNEFT OCEAN TPL 1230/1240 series are recommended for all types of medium and high-speed speed trunk piston engines, including the most recent developments of high-performance engines, operated on marine diesel oil with sulfur level up to 1.5%. Results of FZG test (method of determination for anti-wear and EP properties in the gear oils) for determining degree of the breaking load, allow using these lube oils in reduction gears in conditions where anti-wear and EP properties are required.

Details that make it work



Data shown above are standard for products issued currently. Due to continuous studies and developments, information in this documents is subject to change. Information on safe utilization of the product is included in the Safety Data Sheet.

Detailed information can be obtained on the company's website marine.gazprom-neft.com



Typical characteristics

Properties	GAZPROMNEFT OCEAN TPL 1230	GAZPROMNEFT OCEAN TPL 1240
SAE Viscosity Grade	30	40
Kinematic viscosity at 100°C, mm ² /s	11.8	13.5
Flash point COC, °C	235	250
Pour point, °C	- 16	- 16
Viscosity index	96	97
Base number, mg KOH/g	12.5	12.5
Sulphated ash, %	1.50	1.64
Density at 20 °C, g/cm ³	0.892	0.895

Specifications

Meets the requirements:	GAZPROMNEFT OCEAN TPL 1230	GAZPROMNEFT OCEAN TPL 1240
API CF	+	+
MAN Diesel & Turbo	+	+
Wärtsilä	+	+
Rolls Royce Bergen	+	+
Daihatsu	+	+
Hyundai Himsen	+	+

Health and safety

GAZPROMNEFT OCEAN TPL series don't represent any significant health or environment hazard when properly used in the recommended application and good standards of industrial and personal hygiene are maintained. Avoid direct contact to skin. Wear protective gloves when changing the lube oil. In case of skin contact rinse immediately with water and soap. For more information please refer to the Safety Data Sheet.

Environment protection

Used oil, product residuals must be collected in air-tight containers and handed over to specialized used oil disposal facilities. Do not drain used oil into sewage system, soil or ponds.

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